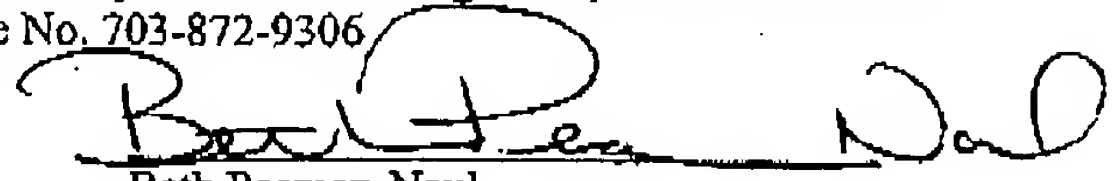


CERTIFICATE OF TRANSMISSION BY FACSIMILE

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Beth Pearson-Naul

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AUG 17 2004

APPLICANT: Xiao Ming Tang et al.

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Group Art Unit: 2635

SERIAL NO.: 10/045,263

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Examiner: Wong, Albert K

FILED: November 7, 2001

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Confirmation No. 2279

TITLE: "Method and Apparatus for LWD
Shear Velocity Measurement"

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Atty Docket No.: 414-23747-US

§

OFFICIAL

RESPONSE TO NOTICE OF ALLOWABILITY AND COMMENTS ON**REASONS FOR ALLOWANCE**

Applicant has received a Notice of Allowability dated August 2, 2004 on the referenced application. However, as discussed with the Examiner, an Issue Fee Transmittal form did not accompany the Notice of Allowability.

REMARKS

As noted in the documents accompanying the Notice of Allowability, in a telephone conversation on July 26, 2004 applicant agreed to elect claims from Species I, directed towards a logging apparatus and method where the transmitter produces a signal with a frequency below the cutoff frequency of the collar. Accordingly, claims 1-21, 31, 33-43, 52 and 54 remain in the application and the remaining claims are withdrawn from

consideration. Applicant further agrees to the Examiner's amendments to the claims.

In the Reasons for Allowance, the Examiner states "The claims recites an acoustic logging apparatus and a method for measuring parameters in a subsurface formation using an acoustic transmitter wherein the acoustic frequency is below the cutoff frequency of the collar. While Hsu 6,631,327 teaches this principle, it is determined not to anticipate or make obvious the claims because it does not constitute prior art."

Applicant concurs that Hsu is not prior art and teaches the principle of a cutoff frequency of a collar. However, applicant respectfully submits that Hsu does not teach an apparatus that simply has a transmitter operating below the cutoff frequency of the collar quadrupole mode.

No fee is believed to be due for these amendments. The Commissioner is hereby authorized to charge any fee due for these amendments to **Deposit Account No. 02-0429 (414-23747)**

Dated: August 17, 2004

Respectfully submitted,



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